

## Please type a plus sign (+) inside this box [+]

PTO/SB/05 (12/97)

Approved for use through 09/30/00. OMB 0651-0032 patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.



## **UTILITY PATENT APPLICATION TRANSMITTAL**

(Only for new popprovisional applications under 37 CFR 1.53/b)

l (Olling it	n new nonprovisional	applications under 57 Of 1	11.55(b)
Attorney Docket No.	003057.P003DC3		Total Pages <u>6</u>
First Named Inventor or Ap	pplication Identifier _	Faan-Hoan Liu	
Express Mail Label No. <u>E</u>	M088414194US	<del></del>	
		0	

ADDRESS TO: **Assistant Commissioner for Patents Box Patent Application** Washington, D. C. 20231

		ELEMENTS apter 600 concerning utility patent application contents.					
1.	X	Fee Transmittal Form (Submit an original, and a duplicate for fee processing)					
2.	_X	Specification (Total Pages39) (preferred arrangement set forth below) - Descriptive Title of the Invention - Cross References to Related Applications - Statement Regarding Fed sponsored R & D - Reference to Microfiche Appendix - Background of the Invention - Brief Summary of the Invention - Brief Description of the Drawings (if filed) - Detailed Description - Claims - Abstract of the Disclosure					
3.	<u>x</u>	Drawings(s) (35 USC 113) (Total Sheets <u>17</u> )					
4.	<u>_x</u>	Oath or Declaration (Total Pages <u>2</u> )  a Newly Executed (Original or Copy)					
		b. x Copy from a Prior Application (37 CFR 1.63(d)) (for Continuation/Divisional with Box 17 completed) (Note Box 5 below)					
		i. DELETIONS OF INVENTOR(S) Signed statement attached deleting inventor(s) named in the prior application, see 37 CFR 1.63(d)(2) and 1.33(b).					
5.	<u>x</u>	Incorporation By Reference (useable if Box 4b is checked) The entire disclosure of the prior application, from which a copy of the oath or declaration is supplied under Box 4b, is considered as being part of the disclosure of the accompanying application and is hereby incorporated by reference therein.					
6.	_ Mi	crofiche Computer Program (Appendix)					

7.	Nucleotide and/or Amino Acid Sequence Submission (if applicable, all necessary)						
	a Computer Readable Copy b Paper Copy (identical to computer copy)						
	c Statement verifying identity of above copies						
	ACCOMPANYING APPLICATION PARTS						
8. 9.	Assignment Papers (cover sheet & documents(s)) a. 37 CFR 3.73(b) Statement (where there is an assignee)						
	b. Power of Attorney						
10.	English Translation Document (if applicable)						
11.	a. Information Disclosure Statement (IDS)/PTO-1449						
	b. Copies of IDS Citations						
12.	_x Preliminary Amendment						
13.	x Return Receipt Postcard (MPEP 503) (Should be specifically itemized)						
14.	a. Small Entity Statement(s)						
	b. Statement filed in prior application, Status still proper and desired						
15.	Certified Copy of Priority Document(s) (if foreign priority is claimed)						
16.	Other:						
17.	If a CONTINUING APPLICATION, check appropriate box and supply the requisite information:						
17.	If a CONTINUING APPLICATION, check appropriate box and supply the requisite information:  X Continuation Divisional Continuation-in-part (CIP)						
17.							
17.	X Continuation Divisional Continuation-in-part (CIP)						
17.	X Continuation Divisional Continuation-in-part (CIP) of prior application No: : <u>08/484,949</u> ; which is a Divisional of U.S. Patent No. 5,446,877; which is a						
	X Continuation Divisional Continuation-in-part (CIP)  of prior application No: : 08/484,949; which is a Divisional of U.S. Patent No. 5,446,877; which is a  Continuation of 08/105,478; which is a Continuation of 07/612,540.  Correspondence Address  Customer Number or Bar Code Label						
	X Continuation Divisional Continuation-in-part (CIP)  of prior application No: : 08/484,949; which is a Divisional of U.S. Patent No. 5,446,877; which is a  Continuation of 08/105,478; which is a Continuation of 07/612,540.  Correspondence Address						
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18.	X Continuation Divisional Continuation-in-part (CIP)  of prior application No: : 08/484,949; which is a Divisional of U.S. Patent No. 5,446,877; which is a  Continuation of 08/105,478; which is a Continuation of 07/612,540.  Correspondence Address  Customer Number or Bar Code Label  (Insert Customer No. or Attach Bar Code Label here)						
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PTO/SB/17(10/96)

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	Complete if Known:  Application NoTo be assigned										
	cation No. Date <u>08</u> -		e assig	nea				<del></del>			
	Named Inv		aan-Ho	an Liu							
	Art Unit _										
	Examiner NameTo be assigned										
	Attorney Docket No. 003057.P003DC3  METHOD OF PAYMENT (check one)										
1.	[ X ]										
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FEE	CALCULA	ATION (f	ees eff	ective 10/	01/97)						
1.	FILING F	EE									
Large Fee	<u>Entity</u> Fee	Small E Fee	<u>intity</u> Fee								
Code				escription					Fee Paid		
101	790	201	395	Utility ap	plication	n filing	j fee	790.00	0		
106	330	206	165	Design a		on filir	g fee				
107	540	207	270	Plant fili			•				
108	790	208	395	Reissue							
114	150	214	75	Provisio	nal appli	cation	filing fe	ee			
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2.	CLAIMS						Fee fi	rom			
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103	22	203	11	Claims in							
102	82	202	41	Independ				f 3			
104	270	204	135	Multiple d							
109	82	209	41						nal patent		
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## FEE CALCULATION (continued)

## 3. ADDITIONAL FEES

Large	<b>Entity</b>	Small E	ntity						
Fee	Fee	Fee	Fee						
Code	(\$)	Code	(\$)	Fee Description Fee Paid					
105	130	205	65	Surcharge - late filing fee or oath					
127	50	227	25						
				or cover sheet					
139	130	139	130	Non-English specification					
147	2,520	147	2,520	For filing a request for reexamination					
112	920*	112	920*	Requesting publication of SIR prior to					
				Examiner action					
113	1,840*	113	1,840*	Requesting publication of SIR after					
				Examiner action					
115	110	215	55	Extension for response within first month					
116	400	216	200	Extension for response within second month					
117	950	217	475	Extension for response within third month					
118	1,510	218	755	Extension for response within fourth month					
128	2,060	228	1,030	Extension for response within fifth month					
119	310	219	155	Notice of Appeal					
120	310	220	155	Filing a brief in support of an appeal					
121	270	221	135	Request for oral hearing					
138	1,510	138	1,510	Petition to institute a public use proceeding					
140	110	240	55	Petition to revive unavoidably abandoned					
	1 000	044	000	application					
141	1,320	241	660	Petition to revive unintentionally					
140	1 200	040	660	abandoned application					
142 143	1,320 450	242 243	660 225	Utility issue fee (or reissue)					
144	450 670	243 244	335	Design issue fee Plant issue fee					
122	670 130	244 122	335 130	Plant issue fee Petitions to the Commissioner					
123	50	122	50	Petitions to the Commissioner  Petitions related to provisional applications					
126	240	125	240	Submission of Information Disclosure Stmt					
581	40	581	40	Recording each patent assignment per					
"	70	JU1	70	property (times number of properties)					
146	790	246	395	For filing a submission after final rejection					
	. 50			(see 37 CFR 1.129(a))					
149	790	249	395	For each additional invention to be examined					
	. 50	0		(see 37 CFR 1.129(a))					
Other	fee (specify	<b>/</b> ) _							
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SUBMITTED BY:									
Typed or Printed Name: Daviel M. De Vos / / /									
Signa	ture	0	XI_	$\frac{1}{2} \int Date \frac{\theta/2(9\theta)}{\theta}$					
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